SHATAKSHI DUBEY

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Education

Vellore Institute of Technology — Bhopal, India
B.Tech in Computer Science and Engineering; CGPA: 8.43/10 — *June 2026*

Kendriya Vidyalaya Sangthan — Seoni, Madhya Pradesh
12th Standard; 94% — *April 2022*

Kendriya Vidyalaya Sangthan — Seoni, Madhya Pradesh
10th Standard; 91.8% — *April 2020*

Technical Skills

Languages: Java, Python, JavaScript, SQL, HTML/CSS
Frameworks: React.js
Tools: Git, Windows
Expertise: Databases, Networking, OOPS, AWS
Certifications: Salesforce Developer (Ethnus), AWS Solution Architect (Ethnus)

Projects

FoodShare – Full-Stack Food Donation Platform | *React.js, MySQL, SHA-256* — March 2025

- Engineered full-stack web application connecting food donors with relief organizations, implementing RESTful API architecture and responsive React frontend to facilitate efficient food redistribution
- Optimized MySQL database performance by 30% through strategic indexing of high-frequency query columns, connection pooling, and query execution plan analysis for real-time matching operations
- Implemented SHA-256 cryptographic hashing to generate immutable audit trails with timestamped transaction records, ensuring secure donation verification and data integrity

FlexiChef | *React.js, API, Tailwind CSS* — Aug 2025

- Architected a dynamic React application with Tailwind CSS, implementing client-side routing to accelerate page load speeds by 80% and enhance user engagement.
- Engineered a secure serverless function to integrate Google Gemini AI, powering a engine that dynamically processes 200+ recipe variants in under 3 seconds.
- Pioneered a reusable component-based architecture with React Hooks, reducing UI code redundancy by 50% and cutting feature development time by 35%.

Face Recognition Attendance System | *Python, OpenCV, dlib, Computer Vision* — April 2024

- Developed automated attendance system using Python, OpenCV, and dlib facial recognition library, implementing real-time face detection and 128-dimensional face encoding algorithms to eliminate manual attendance tracking
- Optimized image processing pipeline improving frame rate from 15 FPS to 20 FPS through efficient algorithm optimization and memory management, achieving high accuracy in facial recognition across diverse test scenarios
- Validated system robustness by testing across multiple lighting conditions and environmental scenarios, ensuring reliable performance for real-world deployment

Leadership & Extracurricular

Project Lead — January 2025 – April 2025

- Led 8-member cross-functional team using Agile methodology, sprint planning, and code reviews to deliver full-stack application with React.js and Node.js

Content Team Member, Igniters Club — September 2024 – Present

- Create technical documentation, social media content, and email campaigns for technical club
- Develop technical guides and event promotional materials for coding workshops

Interests & Languages

Languages: English (Fluent), Hindi (Fluent), Japanese(novice)
Interests: Sketching, Classical Music